Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/13/2021 09:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123113	-2	3.28	123037	3.28
Blue	F	SSC	125000	123379	-2	4.98	123832	4.93
Blue	E	FITC	14400	13974	-3	3.63	321	15.09
Blue	D	PE	24713	24106	-3	3.25	551	11.08
Blue	B	PerCP-Cy5-5	31796	30953	-3	4.20	1020	14.66
Blue	A	PE-Cy7	21240	21162	-1	5.93	566	28.98
Red	C	APC	41319	41060	-1	3.74	1719	11.55
Red	A	APC-Cy7	21019	20263	-4	4.07	758	11.69
Violet	B	V450	7305	6906	-6	4.51	418	13.20
Violet	A	V500	28652	27676	-4	4.12	692	10.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22946	3.42	562	-7	N/A	N/A	Pass
Blue	F	SSC	57181	3.88	516	4	N/A	N/A	Pass
Blue	E	FITC	59	49.42	490	-1	0.0436	0	Pass
Blue	D	PE	115	36.61	487	0	0.3970	268	Pass
Blue	B	PerCP-Cy5-5	190	35.41	584	0	0.0205	60	Pass
Blue	A	PE-Cy7	113	66.72	632	2	0.0223	0	Pass
Red	C	APC	395	23.74	576	3	0.0282	155	Pass
Red	A	APC-Cy7	171	26.96	546	1	0.0066	1009	Pass
Violet	B	V450	59	63.15	452	-4	0.0516	1855	Pass
Violet	A	V500	99	34.21	467	-3	0.0245	727	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-31.85	-31.61	1.10
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	20.14	15.99 - 23.99	N/A	N/A	30.03	30.17	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 16002

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments